

Claims

1. Photostructurable liquid composition for the production of a hydrogel layer based on polyacrylamide, characterized in that the composition has, in addition to the monomer precursor of the polyacrylamide, the cross-linking agent and photoinitiator, at least one film former, at least one comonomer with reactive linker groups and at least one softener.
2. Composition in accordance with claim 1, characterized in that the film former is a water-soluble polymer.
3. Composition in accordance with claim 2, characterized in that the water-soluble polymer is chosen as a film former from the group consisting of polyvinylpyrrolidone, polyacrylamide and/or polyhydroxyethylmethacrylate.
4. Composition in accordance with claims 1 to 3, characterized in that the comonomer with reactive linker groups is chosen from the group consisting of maleic anhydride and/or glycidyl(meth)acrylate.
5. Composition in accordance with one of claims 1 to 4, characterized in that the softener is chosen from the group consisting of mono-, di- and/or triethyleneglycol.
6. Composition in accordance with one of claims 1 to 5, characterized in that the polyacrylamide arrangement is based on acrylicamide, methylenebisacrylamide and/or dimethacrylic-acid esters.
7. Composition in accordance with one of claims 1 to 6, characterized in that it is present in a polar water-miscible solvent.
8. Use of a composition in accordance with one of claims 2 to 7, for the production of a hydrogel using photostructuring by contact exposure.

9. Use of a composition in accordance with one of claims 1 to 7, for the production of an immobilizing layer for biomolecules on a transducer surface.